

STATUS OF THE CLAIMS

The following is a listing of claims that replaces all prior versions, and listings, of claims in the application:

1-5. (Canceled)

6. (Withdrawn) A method, comprising:

- a) providing:
 - i) a patient implanted with a device, wherein said device comprises:
 - 1) a implantable pacemaker element; and
 - 2) a plurality of atrial and ventricular pacing leads connected to said pacemaker element, wherein said pacing leads are configured for simultaneous activation and coursing to the ventricles and atria; and
 - ii) a plurality of sensing leads connected to said pacemaker coursing to the ventricles and atria;
- b) initiating one or more pacing bursts by said pacemaker element, wherein said ventricles and atria are simultaneously paced; and
- c) detecting an earliest arriving electrical signal following termination of said pacing bursts.

7. (Withdrawn) The method of Claim 6, wherein prior to step b) a cardiac arrhythmia is detected in said patient.

8. (Withdrawn) The method of Claim 6, wherein said earliest arriving electrical signal is from the ventricles.

9. (Withdrawn) The method of Claim 6, wherein said earliest arriving electrical signal is from the atria.

10. (Withdrawn) The method of Claim 6, further comprising step d) defibrillating said ventricles under conditions such that normal sinus rhythm is restored.

11-26. (Canceled)

27. (Currently Amended) A device, comprising:

- a) an implantable pacemaker further comprising a plurality of pacing atrial and ventricular leads, said atrial and ventricular leads further comprising distal tip electrodes configured to deliver simultaneous anti-tachycardia pacing bursts to the atria and ventricles and detect an earliest arriving electrical signal following a blanking period resulting from said pacing bursts;
- b) a plurality of atrial and ventricular sensing leads connected to said pacemaker element, wherein said sensing leads are configured to detect an earliest arriving electrical signal following a blanking period resulting from said pacing burst; and, an implantable cardiac defibrillator attached to said pacemaker; and
- c) an implantable defibrillator a timing device connected to said pacemaker element, said implantable defibrillator comprising a timing device configured to determine if said earliest arriving electrical signal originated from the atria or the ventricles by determining if said earliest arriving electrical signal was detected by said atrial sensing lead distal tip electrodes or said ventricular sensing lead distal tip electrodes.

28. (Currently Amended) The device of Claim 27, wherein said pacemaker element further comprises a microprocessor configured to initiate said pacing burst.

29. (Previously Presented) The device of Claim 27, wherein said pacemaker generates said anti-tachycardia pacing burst.

30. (Canceled)

31. (Currently Amended) The device of Claim 27, wherein said atrial and ventricular leads further comprising a plurality of atrial and ventricular defibrillation leads connected to said defibrillator element comprise defibrillation electrodes.

32. (Canceled)

33. (Currently Amended) The device of Claim 27, wherein said pacemaker element further comprises a storage memory connected to said sensing atrial and ventricular leads.

34. (Currently Amended) The device of Claim 27 31, further comprising wherein at least one of said defibrillation lead electrodes is configured to convert an abnormal heart rhythm into normal sinus rhythm.

35. (Currently Amended) The device of Claim 27, wherein said sensing atrial and ventricular leads are quadripolar.

36. (New) The method of claim 27, wherein said atrial and ventricular leads further comprise separate conductors.